

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Eric A. Johnson et al.

Appln. No. 08/458,019

Filed: 1 June 1995

Group Art Unit: 1808

Examiners: H. Lilling

For: PROCESSES FOR IN VIVO PRODUCTION
OF ASTAXANTHIN AND PHAFFIA RHODOZYMA
YEAST OF ENHANCED ASTAXANTHIN CONTENT

AMENDMENT UNDER 37 C.F.R. §1.115

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

RECEIVED
OCT 4 1996
GROUP 1800

Sir:

This Amendment is responsive to the Office Action mailed 29 May 1996. Attached hereto and herein incorporated by reference is a Petition for Extension of Time for a two-month extension making the due date for response 30 September 1996, 29 September 1996 falling on a Sunday.

Kindly amend the application as follows.

IN THE CLAIMS:

25. (Twice Amended) [A pigment] An astaxanthin mutant Phaffia rhodozyma producing more astaxanthin than naturally occurring Phaffia rhodozyma, said mutant producing more than 700 micrograms of astaxanthin per gram of dry yeast per six-day culture in YM medium, wherein the amount of astaxanthin is determined by measuring the absorbance at 474 nanometers of a petroleum ether extract of Phaffia rhodozyma using a 1% (w/v) extinction coefficient in a one centimeter cuvette of 2100.